

30W Single Port Power over Ethernet Midspan IEEE802.3at Compliant Power Injector



Features

- Compliant with IEEE802.3at Standard
- Non-vented Case
- Full Protection OVP, OCP
- 1 year warranty
- Limited Power Source
- Gigabit Compatible
- Shielded RJ45

Applications

- IP Telephones
- Wireless Access Points
- Bluetooth® Access Points
- Security Cameras
- IP Print Servers
- WiMAX® Access Points

Safety Approvals

- cUL/UL(60950)/(62368-1)
- CB
- CCC
- BSMI
- EAC
- IRAM(TUV-s)
- CE(IEC60950-1)/(IEC62368-1)
- RCM
- NOM/NYCE
- PSB
- KC+KCC
- BIS

Mechanical Characteristics

- Length: 140mm (5.51in.)
- Width: 65mm (2.55in.)
- Height: 36mm (1.42in.)
- Weight: 0.22Kg (7.76oz)

Output Specifications

Model	AC Input	DC Output Voltage	Load		Regulation	
			Min.	Max.	Line	Load
POE29U-1AT(PL)D-R	Three Wire	56V	10mA	536mA	54-57V	

POE29U-1AT(PL)D-R Characteristics¹**INPUT:****AC Input Voltage Rating**

100 to 240VAC

AC Input Voltage Range

90 to 264VAC

AC Input Current

0.8A (RMS) maximum at 120VAC

0.55A (RMS) maximum at 240VAC

AC Input Frequency

47 to 63Hz

Leakage Current

3.5mA max

Max In-rush Current60A max at 240VAC and max load (Cold
Start at ambient 25°C)**OUTPUT:****Output Power**

30W

Hold up Time

10mSec min at max load at 120VAC, 60Hz

Efficiency²

80% Typical at max load at 120VAC, 60Hz

ENVIRONMENTAL:**Temperature**

Operating -20°C to +50°C

Non-operating -20°C to +70°C

Relative Humidity 5 to 90%

EMI

Complies with EN55032 Class B

Complies with FCC part 15 Class B

EMC

ESD: IEC61000-4-2, Level 3

RS: IEC61000-4-3, Level 3

EFT/Burst: IEC61000-4-4, Level 2

Surge: IEC61000-4-5, Level 3

CS: IEC61000-4-6, Level 3

Voltage Dips: IEC61000-4-11

Harmonic: IEC61000-3-2, Class A

Isolation (HI-POT)Primary to secondary: 1500VAC for 1
minute, 10mA**Insulation Resistance**

Primary to secondary: 10M Ohm 500VDC

FEATURES:**OCV/OVP/Short Circuit Protection**

OCV: ≤750mA Max

OVP: Latching

Short Circuit: The output can be shorted
permanently without damage. Non-latching
auto recovery.**Indicator***Solid Green:* unit has detected a
IEEE802.3at or af load/PD*Blinking Green:* Power “ON” ready for
connection*Fast Blinking Amber/Green:* Invalid load
connected*Slow Blinking Amber/Green:* fault**AC Input Connector**

IEC320 C14 - three wire

Output Connection

+pins 3,6 / -pins 1,2

Data IN/POE OUT Connector

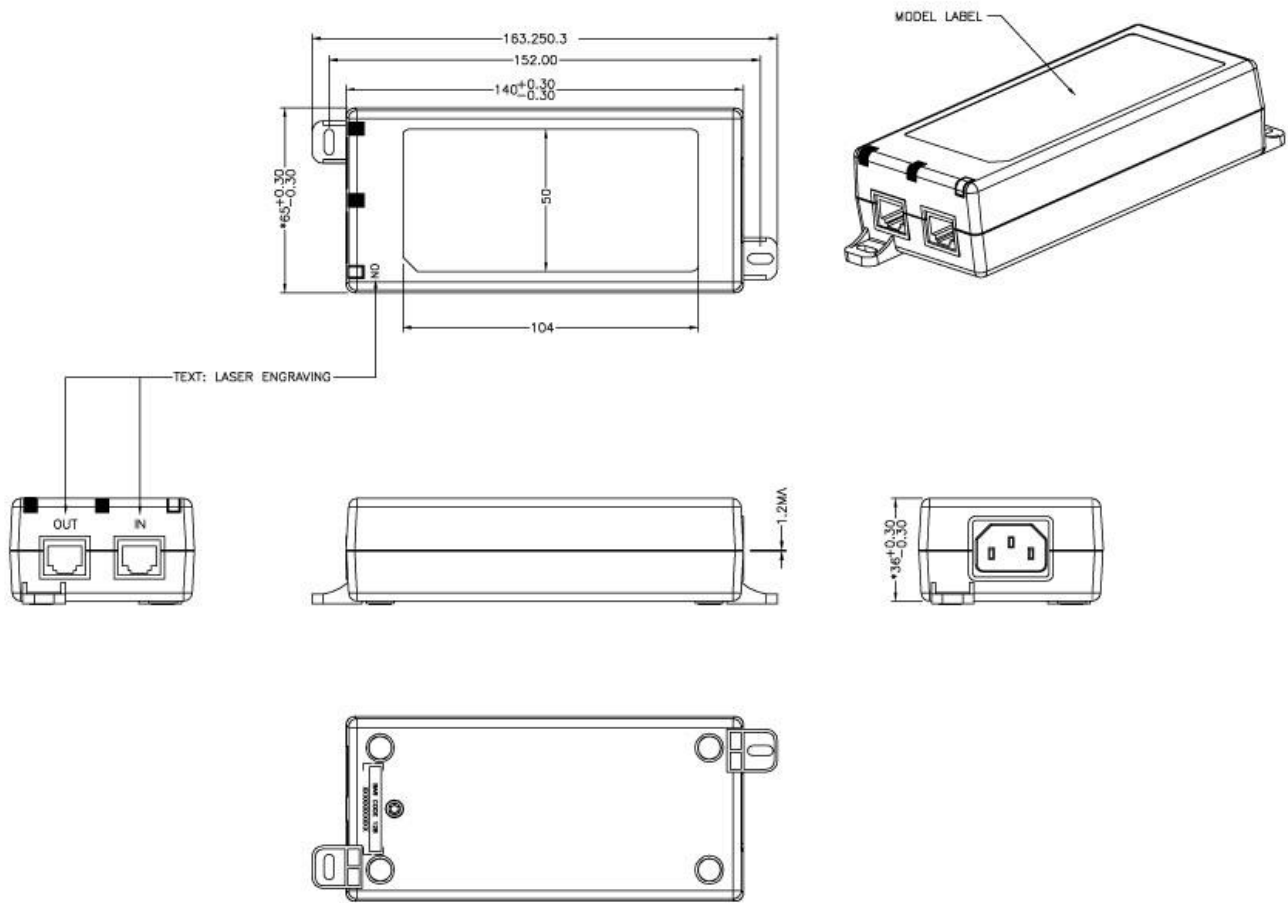
Shielded RJ45

Notes:

1. The characteristics defined are at ambient temperature of 25°C unless otherwise specified
2. Efficiency is measured after 30minutes burn-in

Dimensional Diagram Unit: mm

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Revision 8/3/2022